

7th Grade Science Pacing Guide

UNIT	STRAND (Suggested Number of Days)	# of Days (Total with review and assessment)	Essential Standards	Clarifying Objectives	Textbook Correlation by Chapters
Scientific Inquiry	Scientific Inquiry: <ul style="list-style-type: none"> •Scientific Method (4) •Observations and Inference (4) 	8	n/a	n/a	n/a
Atompshere	Earth Systems: Atmosphere: <ul style="list-style-type: none"> •Composition, properties, structure (8) •Water cycle(6) •Air Masses, pressure systems, boundries(8) •Predict weather conditions/patterns (9) •Convection, global winds, jet stream (5) •Monitoring atmosphere/stewardship (5) 	41 (43)	7.E.1	7.E.1.1 7.E.1.2 7.E.1.3 7.E.1.4 7.E.1.5 7.E.1.6	7th grade Unit A Ch. 1-4
Forces and Motion	Forces and Motion: <ul style="list-style-type: none"> •Motion of an object (7) •Change in position over time (5) •Distance vs. Time (5) •Balanced/unbalanced forces (9) 	27 (29)	7.P.1	7.P.1.1 7.P.1.3 7.P.1.4 7.P.1.2	7th grade Unit D Ch. 1-3
Energy	Energy: Conservation/Transfer: <ul style="list-style-type: none"> •Kinetic vs. Potential Energy (4) •Energy transformation modeling (4) •Energy transfer: work and electricity (5) •Simple Machines/mechanical advantage (5) 	18 (20)	7.P.2	7.P.2.1 7.P.2.2 7.P.2.3 7.P.2.4	7th grade Unit D Ch. 4-5
Living Organisms	Living Organisms: <ul style="list-style-type: none"> •Single-celled organisms (5) •Plant and Animal Cells (10) •Hierarchical Organization (4) •Human Body Systems (18) 	37 (40)	7.L.1	7.L.1.1 7.L.1.2 7.L.1.3 7.L.1.4	7th grade Unit B Ch 1-4 Unit C Ch.1-3 8th grade Unit E Ch. 5
Evolution/ Genetics	Evolution and Genetics: <ul style="list-style-type: none"> •Sexual/Asexual reproduction (9) •Punnett Squares and pedigrees (7) •Biological inheritance and survival (7) 	23 (25)	7.L.2	7.L.2.1 7.L.2.2 7.L.2.3	7th grade Unit C Ch. 4-5
	Review	15	n/a	n/a	n/a